

AD-A156 946

FEDERAL AVIATION REGULATIONS PART 135 CABIN SAFETY

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SUBJECT INDEX(U) FEDERAL AVIATION ADMINISTRATION

WASHINGTON DC OFFICE OF AVIATION MEDICINE

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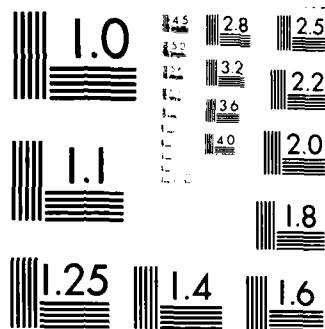
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AD-A156 946

FEDERAL AVIATION REGULATIONS PART 135
CABIN SAFETY SUBJECT INDEX

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MARCH 1985

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16. Abstract The most frequently used Federal Aviation Administration published cabin safety information pertinent to Federal Aviation Regulations (FAR) Part 135 operators is indexed and cross-referenced. This includes Federal Aviation Regulation numbers, Air Carrier Operations Bulletin numbers, Advisory Circular numbers, and Office of Aviation Medicine report numbers.		
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FEDERAL AVIATION REGULATIONS PART 135
CABIN SAFETY SUBJECT INDEX

Cabin Safety Workshops were originated in 1975 to promote exchange of information between members of the Federal Aviation Administration (FAA) Civil Aeromedical Institute (CAMI) Protection and Survival Laboratory staff and members of the aviation community. During the workshops, Protection and Survival Laboratory researchers lead discussions in topics which include research in seats and restraint systems, crash injury protection, brace for impact positions, protective breathing equipment, water survival equipment, aircraft emergency lighting systems, aircraft evacuation procedures, and aircraft occupant injuries. Upon request, cabin safety presentations, which summarize some of the information provided at the workshops, have been given to various aviation groups, FAA Academy inspector classes, and FAA District Offices. During the workshops and cabin safety presentations, it became obvious that many people were unaware of the amount of FAA published material available regarding cabin safety and pertinent research. Therefore, a Cabin Safety Subject Index, Pollard et al., was prepared and published as Office of Aviation Medicine Report FAA-AM-84-1, and was directed primarily toward Domestic, Flag, and Supplemental Air Carriers and Commercial Operators of Large Aircraft certificated under Federal Aviation Regulations (FAR) Part 121. Following this, the FAA Office of Flight Operations, Air Transportation Division, requested assistance in developing a cabin safety program directed toward people concerned with the Air Taxi Operators and Commercial Operators certificated under FAR Part 135. Therefore, to promote awareness and facilitate finding the most frequently mentioned cabin safety subjects pertinent to Part 135 operations, an index of references was developed. This index constitutes the body of this document.

This index is based on the following documents*: FAA Advisory Circular Checklist (AC-00-2XX); Index to Office of Aviation Medicine Reports: 1961 through 1982 (FAA-AM-83-1); Air Carrier Operations Bulletins (FAA Handbook 8430.17); Part 135 Air Carrier Operations Bulletins (FAA Handbook 8430.1D); Maintenance Bulletins (FAA Handbook 8340.1A); Airworthiness Bulletins**;

and Title XIV of the Code of Federal Regulations.

Users of the index should be aware that documents may be changed and updated; therefore the listing may not be complete. However, it should provide a useful and efficient guide to most cabin safety information for Part 135 operations.

*Information about ordering these and other FAA publications is contained in FAA-APA-PG-7: Guide to Federal Aviation Administration Publications. A free copy of this guide may be ordered from U.S. Department of Transportation, M-494.3, Washington, D.C. 20590.

**FAA Airworthiness Bulletins may be located in the 8340 series of FAA orders.

SUBJECT INDEX/CROSS REFERENCE FOR CABIN SAFETY REGULATIONS,
PROCEDURES AND ADVISORY MATERIAL FOR FAR PART 135

The subject index/cross reference material of this section gives references which may be useful to those dealing with cabin safety. However, it should be remembered that Parts 23 and 25 of the Federal Aviation Regulations (FAR) deal with the certification of aircraft and have little application to operational requirements.

There are four Parts of the FAR pertaining to operating requirements: 91, 121, 125, and 135. Many aircraft such as corporate DC-9's, CV-580's, etc., that were previously operated under FAR Part 91D, now come under FAR Part 125 if they have over 20 seats or 6,000 pounds of cargo capacity. Users of the regulations should determine the pertinence of requirements to the operation in question.

ABBREVIATIONS

ACOB Air Carrier Operations Bulletin
ACOB PART 135 Air Carrier Operations Bulletin, Part 135*
AC Advisory Circular
AD Airworthiness Directive
FAA-AM FAA Office of Aviation Medicine Report
SFAR Special Federal Aviation Regulations
TSO Technical Standard Order

SUBJECT INDEX

ADMISSION TO FLIGHT DECK

FAR 135.100: sterile cockpit, manipulation of controls
FAR 135.111: passenger occupancy of pilot seat

AISLES

FAR 135.177(a): emergency exit access; refers to FAR 121.310(f) for aircraft with more than 19 passenger seats

ALCOHOL

FAR 91.11: use of alcohol
FAR 108.11, 108.21: limitation on serving to armed passengers
FAR 135.121: serving, drinking, and passenger boarding after use
ACOB 221 1-76-20: inspector surveillance during cabin en routes

*Air Carrier Operations Bulletins, Part 135 may be located in Appendix 8 of the Air Carrier Inspector's Handbook Part 135, FAA Order 8430.1D.

ASHTRAYS

FAR 23.853(c), 25.853(e): need
SFAR 41: compartment interiors
AD 74-08-09 Am. 39-1818: smoking

AUTHORITY OF THE PILOT-IN-COMMAND (see pilot)

AUTHORITY TO REFUSE TRANSPORT

FAR 135.121(c): prohibition against transporting persons who may be
intoxicated

BAGGAGE (see cargo/carry on baggage)

BAGGAGE COMPARTMENT

FAR 23.787, 25.787: design
FAR 135.87: carry on baggage
ACOB PART 135 84-3: stowage of baggage and galley items

BEVERAGES

FAR 135.121: alcoholic
ACOB PART 135 84-3: stowage of food/beverage service items for takeoff/
landing
ACOB PART 135 84-4: fire hazard of plastic or styrofoam cups/glasses
ACOB PART 135 84-5: service of hot liquids

BRACE FOR IMPACT POSITION

ACOB PART 135 84-9: provides information
ACOB PART 135 84-14: addition to checklist to prepare passengers

BRIEFING (also see passenger information)

FAR 135.117: briefing of passengers before flight
FAR 135.295: requirement that flight attendants be trained on briefing
ACOB PART 135 84-6: announcement of prohibition against smoking
ACOB PART 135 84-10: use of required flotation equipment
AC 120.32, 121.24: provide information about cards, briefing, and
briefing handicapped
AD 74-08-09 Am. 39-1818: prohibition against smoking

CABIN EQUIPMENT (also see seats/safety belts, specific equipment)

FAR 135.167: extended overwater operation
FAR 135.177: equipment; refers to FAR 121.310 for aircraft with more
than 19 passenger seats
ACOB PART 135 84-1: predeparture checks by flight attendants
ACOB PART 135 84-2: seat backs upright for takeoff/landing

CANES

FAA-AM-80-12: stowage of canes

CARDS (see passenger information)

CARGO/CARRY ON BAGGAGE

FAR 23.787, 25.787: cargo compartment
FAR 135.87: carry on baggage
SFAR 41: door and exits
ACOB PART 135 84-3: location of stowage of carry on baggage

CHILD/INFANT RESTRAINT DEVICES

ACOB PART 135 84-17: use of child restraint
TSO C-100: FAA approval; also could be through supplemental type certificate/parts manufacture approval
FAA-AM-78-12: infant/child systems
FMVSS No. 213 (49 CFR 571.213): child restraint systems (After 2/26/85, optional certifications for use in aircraft allowed.)

CIRCUIT BREAKERS

FAR 135.331: required training

CRASH AX

FAR 135.177(a)(2): location; refers to FAR 121.310 for aircraft with more than 19 passenger seats

CREW

FAR 1.1: definition of crewmember and flight crewmembers
FAR 135.43: crewmember certificate for international operations
FAR 135.95: limitations on use of service
FAR 135.100: flight crewmember duties
FAR 135.107: flight attendant crewmember requirement
FAR 135.109: crew designation required
FAR 135.123: emergency and emergency evacuation duties
FAR 135.331: coordination, responsibilities, and duties
ACOB PART 135 84-13: flight attendant reporting potentially hazardous conditions

CREWMEMBER QUALIFICATIONS

FAR 135.95: limitation on use of service
FAR 135.244: operating experience

DANGEROUS ARTICLES

FAR 135.333: training and carriage

DECOMPRESSION (also see hypoxia, oxygen masks)

FAR 135.331: training
FAA-AM-66-10: effects on performance

DEMONSTRATIONS/EMERGENCY DRILL

FAR 135.331(c): emergency drill demonstration

SFAR 41: requirement for evacuation demonstration for some operations

DEVIATIONS/WAIVERS

FAR 91.63: waivers, general

FAR 135.19: emergency involving safety of persons or property

DINING TRAYS

ACOB PART 135 84-3: guidance on prohibition against takeoff/landing
with service items not properly stowed

DISTRIBUTION OF FLIGHT ATTENDANTS

FAR 135.123: distribution of flight attendants

DITCHING (also see extended overwater operations)

FAR 135.331(4)(c)(1): training

ACOB PART 135 84-14: checklist items

DOORS (see exits)

DRUGS (also see narcotic drugs)

FAR 91.11(a)(3): using drugs

FAR 91.12, 135.41: carriage of

FAA-AM-73-12: marijuana

FAA-AM-75-6: marijuana and altitude effects on performance

DUTIES

FAR 135.123: assigned crewmember duties

FAR 135.329(a): training on duties as applicable

ELECTRONIC DEVICES

FAR 91.19: use of

AC 91.47: use of

EMERGENCY EQUIPMENT (also see specific equipment)

FAR 91.33(b)(11): overwater beyond power-off gliding distance

FAR 135.167: extended overwater

FAR 135.177: inspection; equipment; refers to FAR 121.310 for aircraft
with more than 19 passenger seats

ACOB PART 135 84-1: predeparture check by flight attendant

EMERGENCY EVACUATION (see evacuation)

EMERGENCY EXIT (also see exit, evacuation)

FAR 23.807, 25.805, 25.807, 25.809, 25.811: emergency exits

SFAR 41: doors and exits

AC 20.60: accessibility to excess exits

EMERGENCY LIGHT OPERATION

FAR 25.812: lights

FAR 135.177(a)(4): emergency light operation; refers to FAR 121.310 for aircraft with more than 19 passenger seats

EMERGENCY OPERATION

FAR 135.67: reporting hazards

FAR 135.69: continuation of flight

ACOB PART 135 84-13: flight attendant reporting potentially hazardous conditions

EVACUATION (also see demonstrations/emergency drill)

FAR 135.123: crew duties

FAR 135.177(a)(4): means; refers to FAR 121.310 for aircraft with more than 19 passenger seats

FAR 135.331: training on equipment used in evacuations

ACOB PART 135 84-7: procedures and training for evacuations

ACOB PART 135 84-14: checklist items

ACOB 911 8-76-10: procedures and training for emergency evacuations

FAA Order 8320.13 3/3/81: marking door-mounted escape chute containers

FAA-AM-62-9, 65-7, 70-16: after air carrier accidents

FAA-AM-63-30: bibliography

FAA-AM-66-42, 70-19: tests using 1649 and SST mockup

FAA-AM-77-11: handicapped passengers

FAA-AM-78-3: passenger flow rates between compartments

FAA-AM-79-5: acoustic signals for exit location

FAA-AM-79-6, 79-23: injuries

EXITS (also see evacuation)

FAR 23.807(b)(3): requirement for exit signs

FAR 91.47: exits

FAR 135.177(e): handles; refers to FAR 121.310 for aircraft with more than 19 passenger seats

FAR 135.177(f): access; refers to FAR 121.310 for aircraft with more than 19 passenger seats

FAR 135.177(h): lighting; refers to FAR 121.310 for aircraft with more than 19 passenger seats

FAR 135.177(i): floor level; refers to FAR 121.310 for aircraft with more than 19 passenger seats

FAR 135.177(j): window; refers to FAR 121.310 for aircraft with more than 19 passenger seats

FAR 135.331: required training on operation

AC 20.60: accessibility to excess exits

FAA-AM-79-22, 80-13, 81-7: readability of emergency signs in smoke

EXIT MARKINGS (see exits)

EXTENDED OVERWATER FLIGHT (also see overwater operation)

FAR 1.1: definition

FAA AUTHORITY

FAR 135.73: inspection and test
FAR 135.75: admission to flight deck

FIRES

FAR 135.331: required training
ACOB PART 135 84-4: fire hazard of plastic or styrofoam cups/glasses
ACOB PART 135 84-6: in-flight lavatory fires
ACOB 966 8-82-1: cabin fluorescent light ballast fires

FIRE EXTINGUISHERS

FAR 135.331(c)(3): required training on use
FAR 135.155: requirement for fire extinguishers
SFAR 41: requirement for fire extinguishers
AC 20.42B: hand fire extinguishers for use in aircraft

FIRST AID

FAR 135.91: oxygen for medicinal use by passengers
FAR 135.177(a)(1): requirement for first aid kits; refers to FAR
121.310 for aircraft with more than 19 passenger seats
FAR 135.331(b)(2)(ii): training
ACOB PART 135 84-12: approving items for use in first aid kits

FLASHLIGHTS

FAR 135.159(e)(3): flashlight, two size "D" cells or equivalent
FAR 135.177(a)(4): requirement for flashlight holder to be accessible
to the flight attendant seat; refers to FAR
121.310(1) for aircraft with more than 19 passenger
seats

FLIGHT ATTENDANTS

FAR 135.107: flight attendant requirement
FAR 135.123: duties in aircraft evacuation
FAR 135.295: testing requirements
FAR 135.349: training
FAA Maintenance Bulletin B430.1A-25.9: flight attendant automatic seat
retraction
ACOB PART 135 84-5: injuries caused by spillage of hot liquids
ACOB 228 1-82-1: supernumerary personnel/flight attendant duties
ACOB 911 8-76-10: procedures and training for emergency evacuations
FAA-AM-75-2: anthropometry
FAA-AM-75-13: functional strength
FAA-AM-79-23, 82-8: flight attendant injuries

FLOTATION MEANS (also see overwater operations)

FAR 91.33(b)(11): requirement for overwater equipment
FAR 135.167: requirement for overwater equipment
FAR 135.331: training on equipment
ACOB PART 135 84-10: training on availability
AC 20.56A: marking TSO C-72A

FAA-AM-71-37: infant flotation device
FAA-AM-78-1: flotation and survival equipment studies

GALLEY EQUIPMENT

ACOB PART 135 84-3: beverage/food items stowed for takeoff/landing
ACOB PART 135 84-4: fire hazard of plastic or styrofoam cups/glasses
ACOB 213 1-76-12: training

HANDICAPPED

FAR 135.117(b): briefing of passengers needing assistance
FAR 135.295: requirement for crew training regarding seating of people
who might need assistance
AC 120.32: carriage of handicapped
AC 121.24: briefing of handicapped
FAA-AM-77-11: evacuation of handicapped
FAA-AM-80-12: canes, stowage/evacuation

HIJACKING

FAR 135.331(b)(3)(v): required training
FAA-AM-78-35: deterrence

HYPOXIA (also see decompression)

FAR 135.331(d)(2): training
FAA-AM-62-6, 63-33: human tolerance
FAA-AM-66-10, 66-15, 71-11, 71-17: performance decrement
FAA-AM-66-28: oxygen need
FAA-AM-75-6: interaction with marijuana
FAA-AM-76-15, 78-30, 80-20: susceptibility with sickle cell trait

INSPECTION OF EMERGENCY EQUIPMENT

FAR 91.169, 135.71: inspection of emergency equipment
FAR 135.177(b): requirement for periodic inspections; refers to FAR
121.310 for aircraft with more than 19 passenger seats
FAR 135.419: approved inspection program

INTERFERENCE WITH CREWMEMBER

AVIATION ACT OF 1958, 902(j): definition and possible penalties
FAR 91.8: interference with crewmember's performance of duties
FAR 135.119: prohibition against carriage of weapons and exceptions

INTERPHONE

FAR 135.149(d): requirement for interphone and public address system

LAVATORY

SFAR 41: compartment interiors; requirement for signs and ashtrays
AD 74-08-09 Am. 39-1818: placards
ACOB PART 135 84-6: in-flight lavatory fires

LIFE RAFT/LIFE VEST (also see overwater operations)

FAR 91.33(b)(11): life vest for nonextended overwater operations

FAR 135.167(a)(1): life vest for extended overwater operations
FAR 135.167(a)(2): life raft equipment for extended overwater operations

LIGHTS

FAR 135.159(e)(3): flashlight
FAR 135.177(a)(4): emergency light operation; refers to FAR 121.310 for aircraft with more than 19 passenger seats
FAA Notice 8320.252: guidance on activation of emergency lights

LOAD LIMIT

FAR 23.787: weight placards for compartments
FAR 135.63(c): load manifest

MANUALS

FAR 135.21: requirements
FAR 135.23: contents

MARIJUANA (also see drugs, narcotic drugs)

FAR 135.41: carriage of drugs

MECHANICAL IRREGULARITIES

FAR 135.65: reporting
AC 120.30A: reporting requirement for commercial air carriers
ACOB PART 135 84-13: reporting potentially hazardous conditions

MINIMUM EQUIPMENT LIST (MEL)

FAR 135.179: inoperable instruments and equipment

NARCOTIC DRUGS (also see drugs)

FAR 91.11: liquor and drugs
FAR 91.12, 135.41: carriage of drugs
FAA-AM-69-9: effects on complex performance
FAA-AM-73-12: marijuana
FAA-AM-75-6: marijuana and altitude effects on performance

OFFICE OF AVIATION MEDICINE (OAM)

Reports prefixed FAA-AM are Office of Aviation Medicine reports.
Indexes of all OAM reports are available (FAA-AM-81-1, 83-1).
Specific documents may be ordered from the NATIONAL TECHNICAL INFORMATION SERVICE, Springfield, Virginia 22161.

OVERWATER OPERATIONS, EXTENDED

FAR 91.33(b)(11): overwater equipment
FAR 135.167: overwater equipment
FAR 135.331: training
FAA-AM-66-13: cushion flotation
FAA-AM-71-37: infant flotation device
FAA-AM-78-1: flotation and survival equipment studies

OXYGEN (also see decompression, oxygen masks)

FAR 23.1441: equipment and supply
FAR 23.1443: minimum mass flow
FAR 23.1447: standards
FAR 23.1449: means for detaining flow
FAR 23.1450: chemical oxygen generators
FAR 91.32: requirement for supplemental oxygen
FAR 135.89: pilot requirements
FAR 135.91: medical use by passengers
FAR 135.157: requirements for; equipment standards
ACOB 225 1-76-24: crew training on chemical oxygen generators
FAA-AM-63-27: flammability of toiletries
FAA-AM-66-28: need at altitude
FAA-AM-78-9: system design

OXYGEN MASKS

FAR 135.157(a): requirement
FAR 135.295: requirement for flight attendant training location and use
FAR 135.331: training
FAA-AM-62-21, 66-7, 66-20, 67-3: evaluation
FAA-AM-66-9: design for children
FAA-AM-66-10: donning time after decompression
FAA-AM-67-9, 72-10, 78-4, 79-13, 80-18: evaluation
FAA-AM-76-5, 78-4, 78-14, 78-41: crew smoke-protective devices

OZONE

AC 120.38: transport category airplane cabins
FAA-AM-79-20, 80-9: effects under simulated flight conditions
FAA-AM-80-16: chronic effects

PASSENGER INFORMATION

FAR 23.853: smoking information placard
FAR 91.14: requirement for briefing on use of seat belts
FAR 135.117(a)(3)(c): requirement for briefing and cards
FAR 135.177(a)(3): requirement for seat belt and no smoking signs;
refers to FAR 121.310 for aircraft with more than 19
passenger seats
SFAR 41: requirement for briefing and no smoking decals
AC 121.24: information regarding passenger cards and briefing
ACOB PART 135 84-6: includes prohibition against smoking in the
lavatory
ACOB PART 135 84-9: brace for impact positions
ACOB 225 1-76-24: information regarding chemical oxygen generators

PILOT

FAR 91.3: authority of pilot-in-command
FAR 135.19, 135.69: emergency authority
FAR 135.109: designation of pilot-in-command
FAR 135.113: passenger occupancy of pilot seat

PLACARD (see passenger information)

PRISONER (see security)

PROBLEM PASSENGER

FAR 108.21: prisoner

FAR 135.295(c): requirement for training on seating of people who may need assistance

AC 120.32: transportation of handicapped passengers

AC 120.34: transportation of mental patients

AC 121.18A: carriage of weapons and escorted persons

PROTECTIVE BREATHING EQUIPMENT (also see oxygen masks)

FAA-AM-76-5, 78-4, 78-14, 78-41: research on crew smoke-protective devices

PUBLIC ADDRESS SYSTEM (PA)

FAR 135.149(d): requirement; refers to FAR 121.310 for aircraft with more than 19 passenger seats

REFUSING PASSENGER TRANSPORTATION

FAR 108.9: screening of passengers and property

RESPIRATION

FAR 135.331(d)(1): training

RESPONSIBILITY FOR OPERATIONAL CONTROL

FAR 135.77: operational control

SEATS/SAFETY BELTS

FAR 23.785: safety belts

FAR 91.14: requirement for use of seat belts

FAR 135.171(a): requirements for use of seat belts/shoulder harnesses

FAR 135.177(a)(3): seat belt signs

FAA Maintenance Bulletin B430.1A-25-9: flight attendant automatic seat retraction

ACOB PART 135 84-2: seat backs and tray tables upright for takeoff/landing

ACOB PART 135 84-8: protruding arm rests

ACOB PART 135 84-11: actions relative to turbulence encounters

FAA-AM-62-7, 69-13: rearward-facing seats

FAA-AM-63-30: bibliography

FAA-AM-65-14: shoulder harness design

FAA-AM-66-33: upper body restraint installation

FAA-AM-68-24: lap belt effects on pregnant female

FAA-AM-69-13: side-facing seats

FAA-AM-71-12: acceptance of upper torso restraint

FAA-AM-72-3, 82-7: shoulder harness benefits

FAA-AM-78-6, 78-24, 79-17, 81-10, 82-7: evaluation

FAA-AM-78-12: infant/child systems

SECURITY

see FAR 108 and AC 121.17, Aviation Security

SERVICE ITEMS

ACOB PART 135 84-3: stowage of service items for takeoff/landing

SHOULDER HARNESS (also see seats/safety belts)

FAR 91.33(b)(13), 135.171: requirement for

SMOKING

FAR 23.853, 25.791: passenger information signs

FAR 135.177(a)(3): signs; refers to FAR 121.310 for aircraft with more than 19 passenger seats

SFAR 41: requirement for no smoking decals

FAA-AM-80-11: effects on aviation safety

SUPERNUMERARY PERSONNEL

ACOB 228 1-82-1: use of supernumerary personnel in aircraft cabins

SURVIVAL TRAINING/SURVIVING PASSENGERS

ACOB PART 135 84-15: care of passengers following accidents

ACOB PART 135 84-18: crewmember survival training

TRAINING

FAR 135.295: initial and recurrent flight attendant training

FAR 135.301: tests, checks, grace provisions and accepted standards

FAR 135.321: applicability and terms

FAR 135.323: training program, general

FAR 135.325: approval

FAR 135.327: curriculum

FAR 135.329: requirements

FAR 135.331: emergency training

FAR 135.333: handling and carriage of hazardous materials

FAR 135.335: approval of training devices

FAR 135.341: requirement for training program

FAR 135.343: initial and recurrent training programs

FAR 135.349: flight attendant training

FAR 135.351: recurrent training

ACOB PART 135 84-7: training for evacuations

ACOB PART 135 84-15: care of passengers following accidents

ACOB PART 135 84-16: crewmember emergency training

ACOB PART 135 84-18: crewmember survival training

ACOB 225 1-76-24: crew training in use of chemical oxygen generators

ACOB 911 8-76-10: procedures and training for emergency evacuations

ACOB 966 8-82-1: cabin fluorescent light ballast fires

TURBULENCE

ACOB PART 135 84-11: actions relative to turbulence encounters

WEAPONS (also see security)

FAR 135.119: prohibition against carriage of weapons

AC 121.18A: carriage of weapons and escorted persons

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